

Application No. 10/620,114
Amendment dated 07/25/2005
Reply to Office Action of July 8, 2005

03-ASD-049 (EM)

Amendments to the Claims:

Please amend the claims as indicated below.

Listing of Claims:

1. (Withdrawn) A motorized rotary valve assembly comprising:
 - (a) a housing including a mounting surface thereon and having a motor drive therein, said housing configured for insertion into an aperture formed in a flow passage to be valved, said housing having an opening therein for accessing said motor drive;
 - (b) a vane valve member associated exteriorly with said housing and operatively connected through said opening with said motor drive for rotation thereby relative to said housing, said valve member having a flow baffling surface along an edge thereof wherein said housing and valve member are adapted for insertion as a unit through said aperture and located therein by said mounting surface.
2. (Withdrawn) The assembly defined in claim 1, wherein said baffling surface includes an offset edge of said vane valve member.
3. (Previously amended) In combination a motorized valve and engine air inlet manifold passage comprising:
 - a manifold with an inlet passage having an access opening and a rib formed in the wall of the passage and extending thereacross in a direction transverse to a pressure pulse communication and located opposite said access opening;
 - a valve housing with a motor drive therein with a flange extending outwardly therefrom;

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a valve vane operatively connected to said motor drive for rotation with respect to said housing upon energization of said motor drive, said vane disposed through said access opening and having at least one portion thereof configured for baffling the pressure pulse communication over said rib upon movement of the vane to a closed position with respect to the inlet passage; and
at least one retainer that retains said flange on said manifold.

4. (Previously Amended) The combination defined in claim 3, wherein said valve housing has at least one portion thereof configured for being received in said access opening.
5. (Previously Amended) The combination defined in claim 3, wherein said at least one retainer comprises a plurality of threaded fasteners.
6. (Original) The combination defined in claim 3, wherein said valve vane is connected to said motor drive by a centrally disposed shaft.
7. (Original) The combination defined in claim 3, wherein said valve vane and said inlet passage have a rectangular cross section.
8. (Original) The combination defined in claim 3, wherein said valve vane includes a plurality of stiffening ribs formed integrally therewith.
9. (Original) The combination defined in claim 3, wherein said motor drive includes a rotatable shaft extending externally of the housing with said vane mounted thereon.
10. (Previously amended) A method of controlling communication in an engine

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inlet manifold passage comprising:
disposing a rib across one side of the passage in a direction transverse to a pressure pulse communication and forming an access opening in the passage at a location opposite said rib;
disposing a motorized rotary drive in a housing;
connecting a vane to said drive through an aperture in the housing;
forming a baffling surface on an edge of said vane;
inserting said vane through said access opening;
positioning the vane for rotation with respect to said rib;
energizing said motor drive to rotate said vane; and
baffling the pressure pulse communication over said rib with said baffling surface when said vane is in a closed position with respect to said passage.

11. (Currently Amended) The method defined in claim 10, wherein said step of forming the baffling surface includes molding ~~said surface on a one-piece member;~~ the baffling surface directly on the vane.
12. (Currently Amended) The method defined in claim 10, wherein said step of disposing a rib includes forming a pocket in seating surface on said rib, and wherein the step of positioning the vane comprises piloting the vane ~~in the pocket~~ against the seating surface of said rib.
13. (Currently amended) The method defined in claim 10, wherein ~~said step of connecting a vane includes a step of molding a one-piece member of further~~ comprising molding the vane out of resinous material and forming a driving surface on the vane, wherein the driving surface engages with the drive during the connecting step.

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14. (Currently amended) The method defined in claim 13, wherein said step of molding the vane includes integrally forming a hub with a plurality of outwardly extending stiffening ribs.
15. (Previously amended) The method defined in claim 10, further comprising:
forming an outwardly extending flange on the housing; and
mounting the housing to the manifold by attaching the flange to the manifold.
16. (Currently amended) The method defined in claim 10, wherein said step of forming a baffling surface includes forming a flap, which acts as the baffling surface, along one edge of the vane.